CLAIMS

1. A method of interpreting a document using a processor, a
memory, and a television, the method comprising:
identifying the document as comprising a compiled hypertext
markup language (CHTML) document;
reading a color palette from the document, the color palette
specified in a YUV format;
reading a plurality of display elements from the document, each
of the plurality of display elements specifying a corresponding absolute position,
each of the plurality of display elements corresponding to one or more hypertext
markup language (HTML) tags in a source document from which the CHTML
document was compiled; and
rendering each of the plurality of display elements on the
television at the corresponding absolute position.

2. The method of claim 1, wherein the plurality of display
elements includes at least one of a line element, a rectangle element, and a circle
element.

3. The method of claim 1, wherein the plurality of display
elements includes at least on link element, the link element including a uniform
resource locator (URL) of a corresponding linked item.

4. The method of claim 1, wherein the plurality of display
elements includes at least one image element, the image element corresponding
to a color palette bitmap image in the CHTML document.

5. The method of claim 1, wherein the plurality of display
elements includes at least one text element, the text element including a font, a

3   size, a style, and a color, the text element occupying no more than one line on

4   the television.

1   6. The method of claim 1, wherein the plurality of display

2   elements includes at least one Java class element.

1   7. A system, the system comprising:

2   a communication medium;

3   a television; and

4   a set top box, the set top box coupled to the communication

5   medium and the television, the set top box capable of receiving a compiled

6   hypertext markup language (CHTML) document over the communication

7   medium and interpreting the CHTML document for display on the television.

1   8. An apparatus for interpreting a document for a television, the

2   apparatus comprising:

3   means for identifying the document as comprising a compiled

4   hypertext markup language (CHTML) document;

5   means for reading a color palette from the document, the color

6   palette specified in a YUV format;

7   means for reading a plurality of display elements from the

8   document, each of the plurality of display elements specifying a corresponding

9   absolute position, each of the plurality of display elements corresponding to one

10   or more hypertext markup language (HTML) tags in a source document from

11   which the CHTML document was compiled; and

12   means for rendering each of the plurality of display elements on

13   the television at the corresponding absolute position.